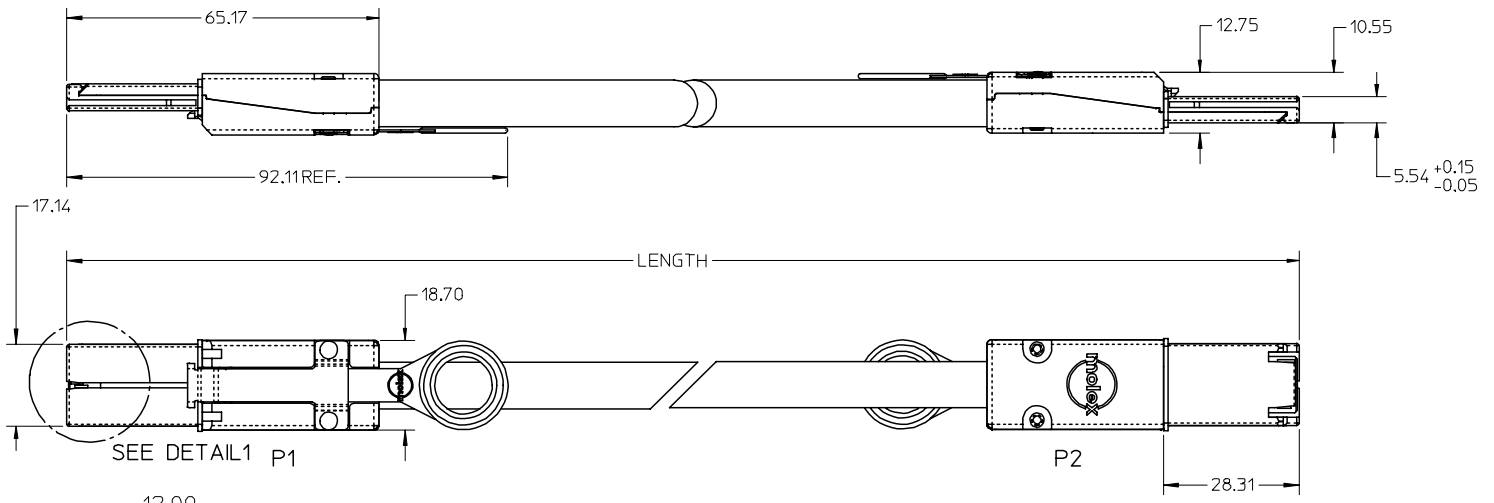
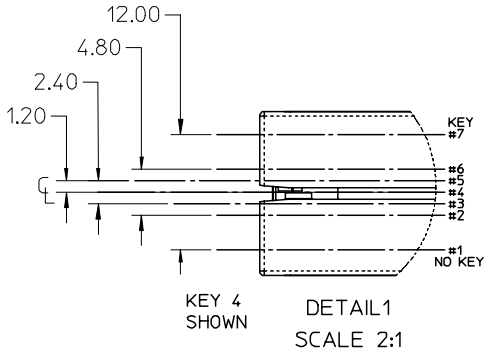
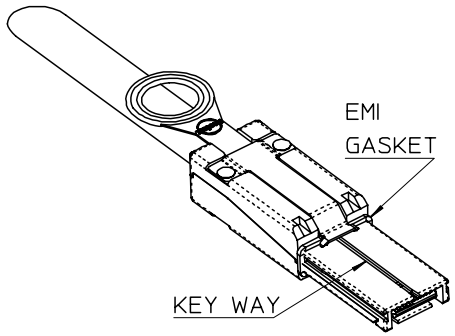
74547







NOTES:
1. MATERIAL=
   BACKSHELLS - ZINC DIECAST
   PULL - MOLDED PLASTIC
2. LENGTH= SEE TABLE
3. ELECTRICAL PERFORMANCE PER SERIAL ATTACH SCSI 1.1
4. PLUG MATES TO RECEPTACLE 75586 SERIES, AND EMI HOUSING ASSY, 74548-0100
5. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

IPASS™ IS A TRADEMARK OF MOLEX

ENTER DESCRIPTION
EC NO: USY2007-0468 2007/06/22
DRWN:SNAVARRO
CH'KD:DDOYE
APPR:DDOYE 2007/06/25
DESCRIPTION
REV
N

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED) 2007/06/22

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY	
DRAWN BY	KPHILLIPS	DATE 2005/28/07
CHECKED BY	BREED	DATE 2005/28/07
APPROVED BY	DDOYE	DATE 2005/28/07
MATERIAL NO.	SEE TABLE	

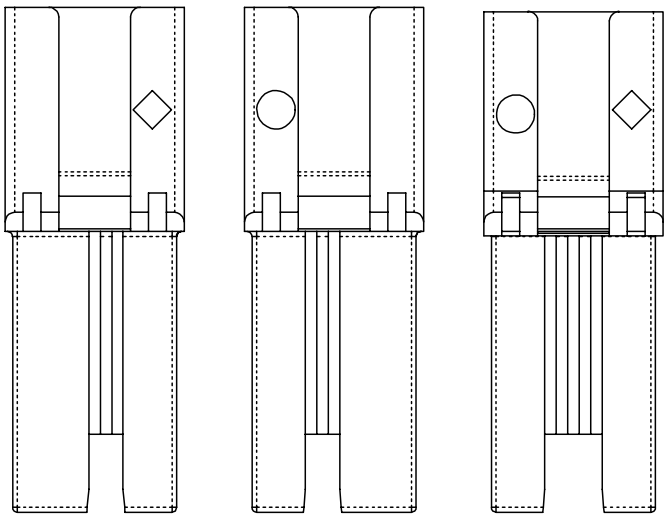
SCALE	1:1	
DESIGN UNITS	METRIC	
	THIRD ANGLE PROJECTION	

TITLE
I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

molex MOLEX INCORPORATED

DOCUMENT NO.	SD-74547-100	SHEET NO. 1 OF 4
SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

KEYING IDENTIFIER
SAS



4,2
TABLE
ROUTING

6,4
SUBTRACTIVE
ROUTING

6,4,2
UNIVERSAL
KEY

MATERIAL NUMBER	DESCRIPTION	GAUGE	LENGTH	KEY	IDENTIFIER
745470101	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2,4	TABLE ROUTING (OUT PORT), SAS
745470102	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2,4	TABLE ROUTING (OUT PORT), SAS
745470103	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2,4	TABLE ROUTING (OUT PORT), SAS
745470104	X4 SAS CABLE ASSEMBLY	28 AWG	4M	2,4	TABLE ROUTING (OUT PORT), SAS
745470105	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2,4	TABLE ROUTING (OUT PORT), SAS
745470106	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2,4	TABLE ROUTING (OUT PORT), SAS
745470107	X4 SAS CABLE ASSEMBLY	24 AWG	7M △	2,4	TABLE ROUTING (OUT PORT), SAS
745470108	X4 SAS CABLE ASSEMBLY	24 AWG	8M △	2,4	TABLE ROUTING (OUT PORT), SAS
745470109	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	2,4	TABLE ROUTING (OUT PORT), SAS
745470110	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	2,4	TABLE ROUTING (OUT PORT), SAS
745470201	X4 SAS CABLE ASSEMBLY	28 AWG	1M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470202	X4 SAS CABLE ASSEMBLY	28 AWG	2M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470203	X4 SAS CABLE ASSEMBLY	28 AWG	3M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470204	X4 SAS CABLE ASSEMBLY	28 AWG	4M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470205	X4 SAS CABLE ASSEMBLY	26 AWG	5M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470206	X4 SAS CABLE ASSEMBLY	24 AWG	6M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470207	X4 SAS CABLE ASSEMBLY	24 AWG	7M △	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470208	X4 SAS CABLE ASSEMBLY	24 AWG	8M △	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470209	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470210	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470301	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2,4,6	UNIVERSAL KEY, SAS
745470302	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2,4,6	UNIVERSAL KEY, SAS
745470303	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2,4,6	UNIVERSAL KEY, SAS
745470304	X4 SAS CABLE ASSEMBLY	28 AWG	4M	2,4,6	UNIVERSAL KEY, SAS
745470305	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2,4,6	UNIVERSAL KEY, SAS
745470306	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2,4,6	UNIVERSAL KEY, SAS
745470307	X4 SAS CABLE ASSEMBLY	24 AWG	7M △	2,4,6	UNIVERSAL KEY, SAS
745470308	X4 SAS CABLE ASSEMBLY	24 AWG	8M △	2,4,6	UNIVERSAL KEY, SAS
745470309	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	2,4,6	UNIVERSAL KEY, SAS
745470310	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	2,4,6	UNIVERSAL KEY, SAS
745470319	X4 SAS CABLE ASSEMBLY	28 AWG	10M	2,4,6	UNIVERSAL KEY, SAS
MATERIAL NUMBER	DESCRIPTION	GAUGE	LENGTH	P1 - P2 KEY	IDENTIFIER
745470119	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470120	X4 SAS CABLE ASSEMBLY	28 AWG	1M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470121	X4 SAS CABLE ASSEMBLY	28 AWG	2M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470122	X4 SAS CABLE ASSEMBLY	28 AWG	3M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470123	X4 SAS CABLE ASSEMBLY	28 AWG	4M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470124	X4 SAS CABLE ASSEMBLY	26 AWG	5M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470125	X4 SAS CABLE ASSEMBLY	24 AWG	6M	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)

△ – NOT COMPLIANT WITH INSERTION LOSS SPEC PER SAS 1.1

IPASS™ IS A TRADEMARK OF MOLEX

ENTER DESCRIPTION
EC NO: USY2007-0468 2007/06/22
DRWN:SNAVARRO 2007/06/22
CH'KD:DDOYE 2007/06/25
APPR:DDOYE
DESCRIPTION
N
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	KPHILLIPS	DATE 2005/28/07
CHECKED BY	BREED	DATE 2005/28/07
APPROVED BY	DDOYE	DATE 2005/28/07

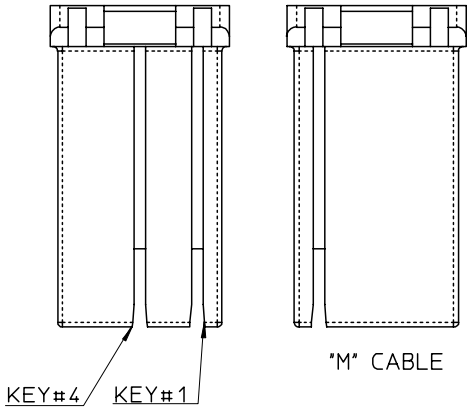
TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74547-100
SHEET NO.: 2 OF 4

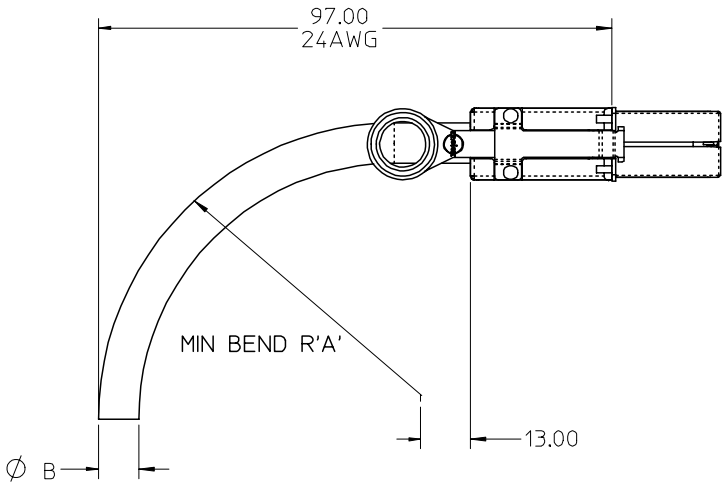
SIZE B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



MATERIAL NUMBER	DESCRIPTION	GAUGE	LENGTH	KEY	IDENTIFIER
745470001	X4 SATA CABLE ASSEMBLY	28 AWG	1M	1,4	X CABLE, SATA
745470002	X4 SATA CABLE ASSEMBLY	28 AWG	2M	1,4	X CABLE, SATA
745470003	X4 SATA CABLE ASSEMBLY	28 AWG	3M	1,4	X CABLE, SATA
745470004	X4 SATA CABLE ASSEMBLY	28 AWG	4M	1,4	X CABLE, SATA
745470005	X4 SATA CABLE ASSEMBLY	26 AWG	5M	1,4	X CABLE, SATA
745470006	X4 SATA CABLE ASSEMBLY	24 AWG	6M	1,4	X CABLE, SATA
745470007	X4 SATA CABLE ASSEMBLY	24 AWG	7M△	1,4	X CABLE, SATA
745470008	X4 SATA CABLE ASSEMBLY	24 AWG	8M△	1,4	X CABLE, SATA
745470009	X4 SATA CABLE ASSEMBLY	28 AWG	0.25M	1,4	X CABLE, SATA
745470011	X4 SATA CABLE ASSEMBLY	28 AWG	0.5M	1,4	X CABLE, SATA
745470401	X4 SATA CABLE ASSEMBLY	28 AWG	1M	7	M CABLE, SATA
745470402	X4 SATA CABLE ASSEMBLY	28 AWG	2M	7	M CABLE, SATA
745470403	X4 SATA CABLE ASSEMBLY	28 AWG	3M	7	M CABLE, SATA
745470404	X4 SATA CABLE ASSEMBLY	28 AWG	4M	7	M CABLE, SATA
745470405	X4 SATA CABLE ASSEMBLY	26 AWG	5M	7	M CABLE, SATA
745470406	X4 SATA CABLE ASSEMBLY	24 AWG	6M	7	M CABLE, SATA
745470407	X4 SATA CABLE ASSEMBLY	24 AWG	7M	7	M CABLE, SATA
745470408	X4 SATA CABLE ASSEMBLY	24 AWG	8M	7	M CABLE, SATA
745470409	X4 SATA CABLE ASSEMBLY	28 AWG	0.25M	7	M CABLE, SATA
745470410	X4 SATA CABLE ASSEMBLY	28 AWG	0.5M	7	M CABLE, SATA

△ - NOT COMPLIANT WITH INSERTION LOSS SPEC PER 1.1.



CABLE	A	B
24AWG	46.9	10.40
26AWG	41.7	9.30
28AWG	37.7	8.40

IPASS™ IS A TRADEMARK OF MOLEX

ENTER DESCRIPTION
EC NO: USY2007-0468 2007/06/22
DRWN:SNAVARRO 2007/06/22
CH'KD:DDOYE 2007/06/25
APPR:DDOYE
DESCRIPTION
REV
N

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

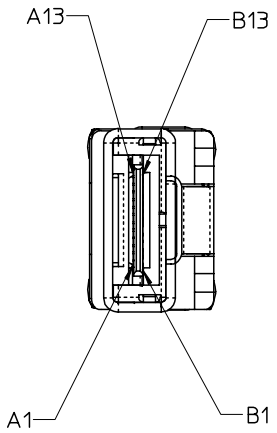
DRAWN BY: KPHILLIPS DATE: 2005/28/07
CHECKED BY: BREED DATE: 2005/28/07
APPROVED BY: DDOYE DATE: 2005/28/07

TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74547-100
SHEET NO.: 3 OF 4
SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



P1					P2
GND	A1	———	B1	GND	
Rx 0+	A2	◄———	B2	Tx 0+	
Rx 0-	A3	◄———	B3	Tx 0-	
GND	A4	———	B4	GND	
Rx 1+	A5	◄———	B5	Tx 1+	
Rx 1-	A6	◄———	B6	Tx 1-	
GND	A7	———	B7	GND	
Rx 2+	A8	◄———	B8	Tx 2+	
Rx 2-	A9	◄———	B9	Tx 2-	
GND	A10	———	B10	GND	
Rx 3+	A11	◄———	B11	Tx 3+	
Rx 3-	A12	◄———	B12	Tx 3-	
GND	A13	———	B13	GND	
GND	B1	———	A1	GND	
Tx 0+	B2	———►	A2	Rx 0+	
Tx 0-	B3	———►	A3	Rx 0-	
GND	B4	———	A4	GND	
Tx 1+	B5	———►	A5	Rx 1+	
Tx 1-	B6	———►	A6	Rx 1-	
GND	B7	———	A7	GND	
Tx 2+	B8	———►	A8	Rx 2+	
Tx 2-	B9	———►	A9	Rx 2-	
GND	B10	———	A10	GND	
Tx 3+	B11	———►	A11	Rx 3+	
Tx 3-	B12	———►	A12	Rx 3-	
GND	B13	———	A13	GND	

IPASS™ IS A TRADEMARK OF MOLEX

ENTER DESCRIPTION
EC NO: USY2007-0468 2007/06/22
DRWN:SNAVARRO 2007/06/22
CH'KD:DDOYE 2007/06/25
APPR:DDOYE
DESCRIPTION
N
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	KPHILLIPS	DATE 2005/28/07
CHECKED BY	BREED	DATE 2005/28/07
APPROVED BY	DDOYE	DATE 2005/28/07

TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74547-100
SHEET NO.: 4 OF 4
SIZE: B

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION